



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 12thJan 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 11.01.2019.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-जनवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें की वेबसाइट पर उपलब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 11th January 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

12-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	47014	47939	41791	18123	2408	157275
Peak Shortage (MW)	700	0	0	335	54	1089
Energy Met (MU)	983	1125	936	356	43	3442
Hydro Gen (MU)	112	26	77	30	7	253
Wind Gen (MU)	7	20	42	-----	-----	69
Solar Gen (MU)*	16.47	19.9	70.75	0.87	0.04	108
Energy Shortage (MU)	15.3	0.6	0.0	1.0	0.5	17.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46987 18:20	55146 10:39	44652 08:23	18433 19:12	2451 17:44	160941 09:12

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.064	0.00	1.23	19.64	20.87	69.80	9.33

C. Power Supply Position in States

Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	5684	0	115.0	28.7	-0.3	89	0.0
	Haryana	6803	0	131.2	70.3	-0.1	96	0.0
	Rajasthan	12557	158	244.0	68.3	-0.9	351	0.0
	Delhi	4336	0	71.4	53.2	-0.3	238	0.0
	UP	13806	110	293.3	122.6	0.9	265	2.7
	Uttarakhand	2145	0	40.5	24.6	0.5	115	0.1
	HP	1676	0	30.4	23.9	1.2	290	0.0
	J&K	2800	700	53.0	46.0	1.9	487	12.5
WR	Chandigarh	243	0	3.9	3.8	0.0	42	0.0
	Chhattisgarh	3819	0	81.3	25.5	-0.2	512	0.6
	Gujarat	15554	0	329.5	90.4	3.3	720	0.0
	MP	13964	0	258.1	144.5	-2.3	671	0.0
	Maharashtra	20208	0	410.9	100.2	0.5	555	0.0
	Goa	46	0	9.5	9.2	0.3	91	0.0
	DD	301	0	6.9	6.7	0.1	39	0.0
	DNH	737	0	17.5	17.6	-0.1	77	0.0
SR	Essar steel	524	0	10.9	10.9	0.0	270	0.0
	Andhra Pradesh	8218	0	165.0	63.8	0.2	489	0.0
	Telangana	9247	0	183.5	73.7	0.6	496	0.0
	Karnataka	11783	0	219.0	73.3	-0.5	480	0.0
	Kerala	3537	0	66.2	52.6	0.1	221	0.0
	Tamil Nadu	14213	0	295.2	148.3	0.9	493	0.0
	Pondy	387	0	7.6	7.8	-0.2	44	0.0
	Bihar	4333	0	77.4	72.2	0.0	460	0.0
ER	DVC	3111	115	66.2	-30.7	0.0	396	0.4
	Jharkhand	1047	0	24.4	18.7	0.4	169	0.7
	Odisha	3786	0	70.8	22.4	-0.2	267	0.0
	West Bengal	6431	0	115.4	26.2	0.7	309	0.0
	Sikkim	94	0	1.4	1.9	-0.5	18	0.0
	Arunachal Pradesh	105	2	2.4	2.0	0.5	35	0.0
	Assam	1396	25	23.0	17.9	1.3	174	0.4
	Manipur	180	2	2.9	3.1	-0.2	27	0.0
NER	Meghalaya	338	0	6.3	4.9	0.1	244	0.0
	Mizoram	106	3	1.8	1.3	0.3	26	0.0
	Nagaland	110	2	2.2	2.0	0.0	64	0.1
	Tripura	217	1	4.2	2.0	0.0	27	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.4	-6.8	-11.5
Day peak (MW)	82.5	-311.0	-802.0

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	180.9	-203.1	107.7	-85.7	0.4	0.2
Actual(MU)	176.5	-207.0	105.5	-79.5	0.4	-4.1
O/D/U/D(MU)	-4.3	-3.9	-2.2	6.2	-0.1	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3240	15191	7252	1370	206	27259
State Sector	10050	12888	10030	4675	50	37693
Total	13290	28079	17282	6045	256	64951

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	575	1194	498	437	10	2714
Lignite	28	16	55	0	0	99
Hydro	112	26	77	30	7	253
Nuclear	24	31	31	0	0	86
Gas, Naptha & Diesel	35	48	19	0	29	130
RES (Wind, Solar, Biomass & Others)	52	42	155	1	0	250
Total	824	1357	837	468	46	3532

Share of RES in total generation (%)	6.26	3.13	18.54	0.19	0.09	7.08
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	22.72	7.34	31.53	6.66	16.18	16.69

H. Diversity Factor

All India Demand Diversity Factor	1.042
-----------------------------------	-------

Diversity factor = Sum of regional maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Date of Reporting : 12-Jan-19

Import=(+ve)
/Export =(-ve)
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	666	0.0	9.5	-9.5	
2		SASARAM-FATEHPUR	S/C	0	290	0.0	3.4	-3.4	
3		GAYA-BALIA	S/C	0	359	0.0	6.5	-6.5	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	150	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	122	0.0	2.4	-2.4	
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	740	0.0	10.0	-10.0	
9		PATNA-BALIA	Q/C	0	956	0.0	20.0	-20.0	
10		BIHARSHARIFF-BALIA	D/C	0	337	0.0	6.1	-6.1	
11		MOTIHARI-GORAKHPUR	D/C	0	378	0.0	7.0	-7.0	
12		BIHARSHARIFF-VARANASI	D/C	9	257	0.0	2.8	-2.8	
13		220 kV	PUSAULI-SAHUPURI	S/C	2	138	0.0	1.8	-1.8
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6
16			KARMANASA-SAHUPURI	S/C	37	0	0.6	0.0	0.6
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						1.2	74.2	-73.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1159	0	17.0	0.0	17.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	382	405	0.2	0.0	0.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	90	154	0.0	1.7	-1.7	
21		RANCHI-SIPAT	D/C	198	54	1.6	0.0	1.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	10	88	0.0	0.9	-0.9	
23		BUDHIPADAR-KORBA	D/C	111	0	1.3	0.0	1.3	
ER-WR						20.1	2.5	17.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1812.0	0.0	25.2	-25.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	684.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	45.6	-45.6	
27	400 kV	TALCHER-I/C	D/C	218.0	184.0	0.0	0.9	-0.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	86.8	-86.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	316	0	5.3	0.0	5	
30		ALIPURDUAR-BONGAIGAON	D/C	445	0	7.7	0.0	8	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	71	6	0.9	0.0	1	
ER-NER						13.9	0.0	13.9	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	14.9	0.0	14.9	
NER-NR						14.9	0.0	14.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1020	0.0	17.7	-17.7	
34		V'CHAL B/B	D/C	242	253	3.4	2.6	0.8	
35		APL -MHG	D/C	0	1737	0.0	36.6	-36.6	
36		GWALIOR-AGRA	D/C	0	1134	0.0	38.3	-38.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	1209	0.0	19.2	-19.2	
38		JABALPUR-ORAI	D/C	14	681	0.0	21.2	-21.2	
39		GWALIOR-ORAI	S/C	642	0	11.5	0.0	11.5	
40		SATNA-ORAI	S/C	0	1464	0.0	28.0	-28.0	
41		400 kV	ZERDA-KANKROLI	S/C	164	33	2.4	0.0	2.4
42			ZERDA -BHINMAL	S/C	97	221	0.0	1.2	-1.2
43			V'CHAL -RIHAND	S/C	985	0	21.9	0.0	21.9
44			RAPP-SHUJALPUR	D/C	258	147	0	1	-1
45	220 kV	BADOD-KOTA	S/C	15	45	0.8	0.1	0.7	
46		BADOD-MORAK	S/C	0	131	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	118	0	1.5	0.0	1.5	
48	132kV	MALANPUR-AURAIYA	S/C	65	27	0.5	0.0	0.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						41.9	167.4	-125.4	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	376	2474	0.0	26.9	-26.9	
53		WARDHA-NIZAMABAD	D/C	0	2223	0.0	27.5	-27.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	1122	0	13.6	0.0	13.6	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	1	64	0.7	0.0	0.7	
WR-SR						14.4	78.2	-63.8	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.4	
59		NEPAL						-6.8	
60		BANGLADESH						-11.5	